




# DAVIS-STANDARD®

Where your ideas take shape.



## Extrusion Coating

## High Efficiency Cup Stock Line

### Typical Line Capabilities

- Tandem extrusion coating line for paperboard
- Surface treatment by flame treatment for both sides of the board
- Process capabilities for LDPE, LLDPE and HDPE and PLA resin
- Post corona treater for printing process
- Turret winder or surface winder for jumbo rolls

### Design Criteria

- Machine line speed 450, 600 or 700 m/min
- Web width 1350, 1650, 2300 and 3200mm
- Shaftless unwind roll diameter from 1600 to 2000mm
- High nip pressure laminator up to 40N/mm

# High Efficiency Cup Stock Line

## EQUIPMENT LIST (DEPENDING ON SPEED)

### Unwind section

- Two direction shaftless turret unwind
- Loading table
- OPG Web guide
- Pull roll station
- Flame pre-treating unit for both sides of the web
- Frame with cooling rolls and web overpass

### Coating station (back side)

- Linear 3 roll laminator for high nip pressure extruder carriage with mono- or co-extrusion
- QSE adapter with melt pipe
- Automatic die type 510 A
- Web overpass

### Coating station (print side)

- Linear 3 roll laminator for high nip pressure
- Co-extruder carriage mono- or co-extrusion
- QSE adapters with melt pipes
- Automatic die type 510 A

### Winder section

- Surface winder with shaft extractor or shaftless turret winder with pull roll

### Auxiliary Equipment

- Water pump stations
- Central hydraulic unit
- Foundation plates and extruder guiding rails
- Safety devices
- Web break detectors
- Frames and idler rolls

### Drives and controls

- Process - Visualization - System EXACT
- Davis-Standard Secure Service Support System (DS<sup>5</sup>)
- AC drives
- Load cells
- Control- and contactor cabinets (PLC)
- Main operating panel
- Power panels and temperature control

## OPTIONS

- Slitting station
- Ozone system for the melt curtain
- Inspection system
- Butt splice at the main unwind
- Energy saving heater design for the extruder barrels